

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



November 16, 2007

TEST LABORATORY INFORMATION FOR PLUMBING FITTINGS

To: Laboratories that Test Plumbing Fittings
Manufacturers of Plumbing Fittings

Subject: Annual Test Laboratory Approval Process

Approval of Testing Laboratories

The California Energy Commission's *Appliance Efficiency Regulations* Section 1603(a) requires that plumbing fittings sold or offered for sale in California be tested at a laboratory that the Executive Director of the Commission determines:

- (1) has conducted tests using the applicable test method within the previous 12 months;
- (2) agrees to and does interpret and apply the applicable test methods in Section 1604 of the *Appliance Efficiency Regulations* precisely as written;
- (3) has, and keeps properly calibrated and maintained, all equipment, material, and facilities necessary to apply the applicable test method precisely as written;
- (4) agrees to and does maintain copies of all test reports, and provides any such report to the Executive Director on request, for all basic models that are still in commercial production; and
- (5) agrees to and does allow the Executive Director to witness any test of such an appliance on request, up to once per calendar year for each basic model.

Applying for Approval

If you would like the Executive Director to determine that your laboratory meets the criteria in Section 1603(a)(1)-(5), and to approve your laboratory for such testing through December 31, 2008, please complete the enclosed application.

The application may be filled out on-line or printed out and completed off-line. In either case, sign and scan the signed application and all appropriate documents and attach them to an e-mail addressed to: appliances@energy.state.ca.us. If you choose this form of submittal, please indicate "2008 Plumbing Fittings Lab App Company Name:" in the subject line, where Company Name is YOUR COMPANY NAME. Alternately, you may return the original signed application to the address shown below. We cannot accept FAXed applications because we must have an original signature. Be sure to include your signed application with all appropriate items attached and send to:

Appliance Efficiency Program
2008 Plumbing Fittings Lab App - Company Name
California Energy Commission
1516 Ninth Street, MS-25
Sacramento, CA 95814-5512

Test Methods

The test method for pre-rinse spray valves is ANSI/ASTM F2324-03 [Section 1606(a)(4)(I)]. The plumbing fittings test method in Section 1604(h) is ANSI/ASME A112.18.1-2000, Section 5.5. Showerhead-tub spout diverter combinations shall have both the showerhead and the tub spout diverter tested individually.

Submittal of Test Report

Section 1606(a)(3)(C) requires manufacturers of plumbing fittings to submit the test reports upon which the manufacturer relies in filing certification information. We are including sample test data sheets with this letter. While it is not necessary for you to use these specific data sheets, doing so will provide all the required information. If you would like to use these data sheets, please feel free to copy them onto your company's letterhead so they will be identified as yours.

Marking

Section 1607(b) requires that the manufacturer's name or brand name or trademark, model number, and date of manufacture, indicating (i) year and (ii) month or smaller (e.g. week) increment, be permanently and legibly displayed on the nameplate of each unit. Section 1607(c) requires for plumbing fixtures and plumbing fittings, the information required by subsection (b) shall be permanently, legibly, and conspicuously displayed on an accessible place on each unit or on the unit's packaging.

Submittal of Information (Certification) by Manufacturers

The submittal and approval of a laboratory application does NOT affect the manufacturers' listings of appliance models in the Commission's database. Manufacturers of models accurately listed in the database do not need to resubmit any information. However, if information about those models has changed or if you have manufactured new models that are not yet in the database, you must submit new certification data.

Manufacturers wishing to verify the status of currently listed models may review their listing at the following link:

www.energy.ca.gov/appliances/appliance/excel_based_files/plumbing

If your model listing is not current, or you need additional certification forms and instructions, they can be found at:

<http://www.energy.ca.gov/appliances/forms/>.

A copy of the Energy Commission's *Appliance Efficiency Regulations* can be found at:

<http://www.energy.ca.gov/appliances/2007regulations/>.

The attached laboratory application may also be obtained at:

<http://www.energy.ca.gov/appliances/forms/>.

The Energy Commission is aware of statements in marketing literature stating or implying Commission approval of products or services. The Energy Commission does not endorse, favor, or recommend any particular product or service. Moreover, California law states that "It is unlawful for any person, firm, corporation, or association that is a nongovernmental entity to . . . solicit the purchase of or payment for a product or service . . . by means of a mailing, electronic message, or Internet Web site that contains a seal, insignia, trade or brand name, or any other term or symbol that reasonably could be interpreted or construed as implying any state or local government connection, approval, or endorsement," with exceptions not relevant here. (California Business & Professions Code section 17533.6.).

If you receive more than one copy of this letter, you are on multiple appliance mailing lists. It is not necessary to apply for the exact same test method more than once per calendar year. However, you must indicate all appliances that you wish to test with that test method at the time of your original application. If you have any questions you may contact appliance program staff at the address above or by email at: appliances@energy.state.ca.us.

Sincerely,

ELAINE HUSSEY
Appliance Efficiency Program

Enclosures

PLEASE DO NOT INCLUDE A COPY OF THIS LETTER WITH YOUR APPLICATION

California Appliance Efficiency Program
2008 Test Laboratory Application for
PLUMBING FITTINGS

Note: You must include a Completed Sample Test Report with this application.

NOTE: This is a PDF fillable form. You may complete it on line or print it out and complete it off line. After it has been signed, you may scan it and return as an email attachment, addressed to appliances@energy.state.ca.us, or return it via mail to:

Appliance Efficiency Program
2008 Plumbing Fittings Lab App -Company Name
California Energy Commission
1516 Ninth Street, MS-25
Sacramento, CA 95814-5512

PLEASE ALSO NOTE THAT:

- Applications that have been re-typed in your own format **WILL NOT** be accepted.
- It is not necessary, and may delay processing of your application, to submit both an email and a mailed application
- Please allow at least four weeks during the heavy renewal period (November-March) before contacting us regarding your application.

Contact Person: _____

Company Name: _____

Address: _____

City: _____

State: _____ Zip: _____ Country: _____

Phone Number: Area Code (_____) _____

Fax: Area Code (_____) _____

e-mail address: _____

WEB-site: _____

Appliance Type: **PLUMBING FITTINGS**

Test Method(s) Used: _____

**NOTE: Each test method must be as listed in
Section 1604 of the *Appliance Efficiency Regulations*.**

Name of Laboratory _____ states:

Initial all appropriate

Paragraphs below:

_____ I hereby apply for approval of the laboratory stated above for testing plumbing fittings for compliance with the California *Appliance Efficiency Regulations*.

_____ During the period for which approval is granted, our laboratory agrees to comply with all of the provisions (listed below), Sections 1604(h), and 1605.3(h), of Title 20 of the California Code of Regulations:

_____ ***has conducted tests using the applicable test method within the previous 12 months;***

_____ ***agrees to and does interpret and apply the applicable test method set forth in Section 1604 precisely as written;***

_____ ***has, and keeps properly calibrated and maintained, all equipment, material, and facilities necessary to apply the applicable test method precisely as written;***

_____ ***agrees to and does maintain copies of all test reports, and provides any such report to the Executive Director on request, for all basic models that are still in commercial production; and***

_____ ***agrees to and does allow the Executive Director to witness any test of such an appliance on request, up to once per calendar year for each basic model.***

_____ Test reports issued to clients shall include statements of compliance or non-compliance of the minimum performance provisions shown in Sections 1605.1(h) and 1605.3(h).

_____ Test reports issued to clients shall include statements of compliance or non-compliance with all appropriate marking requirements shown in Section 1607.

_____ I have attached to this application an example of a completed sample test report for a plumbing fitting tested by this laboratory within 12 months prior to the date of this application, to demonstrate what and how information is provided.

I declare under penalty of perjury of the laws of the State of California, that:

All the information in this statement is true, complete, accurate, and in compliance with all applicable provisions of Sections 1601 – 1608 of Title 20 of the California Code of Regulations; and

I am authorized to make this declaration, and to file this application, on behalf of

Name of Laboratory

Signature: _____ Date _____

Typed Name and Title: _____

SPACE BELOW THIS LINE FOR CALIFORNIA ENERGY COMMISSION USE ONLY

The laboratory identified above is hereby approved for testing

_____ COMMERCIAL PRERINSE SPRAY VALVES

_____ ALL OTHER PLUMBING FITTINGS

in compliance with the Requirements of the Appliance Efficiency Regulation from the date shown below until December 31, 2008.

Date

BETTY CHRISMAN
Appliance Efficiency Program Manager
For the Executive Director

Check when completed:

Approved _____ listed _____ scanned _____

Notified/copy sent (date) _____

Denied/notified (date) _____

SHOWERHEAD, FAUCET, AND REPLACEMENT AERATOR DATA SHEET

Test Date: _____

Showerhead: Pulsating

Faucet: Sink

Non-pulsating

Lavatory

Replacement
Aerator:

Model No.: _____

Serial No.: _____

Manufacturer: _____

Brand: _____

Test Procedure: ANSI/ASME A112.18.1-2000, Section 5.5

TEST DATA

:

Pressure psig	at 60 psi (faucets and replacement aerators)	At 80 psi (showerheads only)
Water Flow Rate (gpm)		
Water Temperature (°F.)		

TEST RESULTS:

Flow Test:

Pass

YES NO

Flow Restrictor:
(showerheads only)

Mechanically Retained

On
Carton

On
Fitting

MARKINGS:

Flow Rate

Manufacturer's name/brand name/trademark

Model number identification

Date of manufacture identification

Comments, if any:

Test Engineer/Tech _____

Supervising Engineer _____

Project Director _____

TUB SPOUT DIVERTER DATA SHEET

Test Date: _____

Model No.: _____ Serial No.: _____

Manufacturer: _____ Brand: _____

Test Procedure: ANSI/ASME A112.18.1-2000, Section 5.5

TEST DATA:

Pressure psig	at 20 psi	at 60 psi
Water Leakage Rate (new) gpm		
Water Leakage Rate (after 15,000 cycles of diverting) gpm		
Water Temperature (°F.)		

TEST RESULTS:

Leakage Rate Test, when new: Pass YES NO

Leakage Rate Test, after 15,000 cycles of diverting: Pass

MARKINGS: Flow Rate On Carton On Fitting

Manufacturer's name/brand name/trademark

Model number identification

Date of manufacture identification

Comments, if any:

Test Engineer/Tech. _____

Supervising Engineer _____

Project Director _____

COMMERCIAL PRE-RINSE SPRAY VALVE DATA SHEET

Test Date: _____

Model No.: _____

Serial No.: _____

Manufacturer: _____

Brand: _____

Test Procedure: ANSI/ASTM F2324-03

TEST DATA:

Pressure psig	at 60 psi
Water Flow Rate (gpm)	
Water Temperature (°F.)	

TEST RESULTS:

YES NO

Flow Test: Meets the flow rate requirement of
Section 1605.3(h)(3)(A)

Cleanability: Meets the cleanability requirement of
Section 1605.3(h)(3)(B)

On
Carton

On
Fitting

MARKINGS:

Flow Rate

Manufacturer's name/brand name/trademark

Model number identification

Date of manufacture identification

Comments, if any:

Test Engineer/Tech. _____

Supervising Engineer _____

Project Director _____